



DASH NUMBER		TUBE OUTSIDE DIAMETER	B STRAIGHT THREAD	C ₂ HEX FLAT NOM	D DIAMETER		G ₁	L ₁
BODY	*ASSY				BASIC	TOLERANCE		
B2	A2	1/8	5/16-24 UNF-2A	9/16	.062	±.003	.250	1.170
B3	A3	3/16	3/8-24 UNF-2A	5/8	.125		.313	1.230
B4	A4	1/4	7/16-20 UNF-2A	11/16	.172		.364	1.370
B5	A5	5/16	1/2-20 UNF-2A	3/4	.234		.427	1.370
B6	A6	3/8	9/16-18 UNF-2A	13/16	.297	±.004	.482	1.470
B8	A8	1/2	3/4-16 UNF-2A	1	.391		.660	1.620
B10	A10	5/8	7/8-14 UNF-2A	1-1/8	.484		.773	1.880
B12	A12	3/4	1-1/16-12 UN-2A	1-3/8	.609		.945	2.160
B14	A14	7/8	1-3/16-12 UN-2A	1-1/2	.718	+0.007-.005	1.070	2.210
B16	A16	1	1-5/16-12 UN-2A	1-5/8	.844		1.195	2.250
B20	A20	1-1/4	1-5/8-12 UN-2A	1-7/8	1.078		1.507	2.430
B24	A24	1-1/2	1-7/8-12 UN-2A	2-1/8	1.312		1.756	2.750
B32	B32	2	2-1/2-12 UN-2A	2-3/4	1.781	+0.010-.005	2.381	3.400

NOTES:

- MATERIAL:** Steel, carbon in accordance with procurement specification.
Steel, corrosion-resisting in accordance with procurement specification.
- PROTECTIVE COATING:** Cadmium plated in accordance with procurement specification.
Zinc plated in accordance with procurement specification.
Phosphate coating in accordance with procurement specification.
Passivation treatment in accordance with procurement specification.
- DIMENSIONS AND TOLERANCES:** Dimensions and tolerances not shown shall be in accordance with the SAE Standard for 37 Degree Flared Fittings (SAE J514).
- THREADS:** Threads shall be in accordance with Screw-Thread Standards for Federal Services, Handbook H28.
- PART NUMBER:** The MS part number consists of the MS number plus the dash number.
 - For body only, cadmium plated, use the MS number, plus the body dash number. Example: MS51519B2.
 - For complete assembly (with nuts and sleeves), cadmium plated, use the MS number plus the assembly dash number. Example: MS51519A2.
 - For zinc coating add (Z) to the dash number. Example: MS51519B2Z or MS51519A2Z.
 - For phosphate coating add (P) to the dash number. Example: MS51519B2P or MS51519A2P.
 - For corrosion-resisting steel add (S) to the dash number. Example: MS51519B2S or MS51519A2S.
- For design feature purposes, this standard takes precedence over procurement documents referenced herein.
- Reference documents shall be of the issue in effect on date of invitations for bid.
- The illustration is for identification purpose only and is not intended to restrict designs and shapes not dimensioned.
- Procure the O-Rings separately and install immediately before installation of fittings.
- After 17 January 1979 bodies will be used for production only and SHALL NOT be stocked for maintenance. Existing stock of bodies should be used until depleted.

P.A. AR
Other Cont OS

TITLE

NIPPLE, TUBE, LARGE HEX
FOR USE WITH O-RING, 37° FLARED

MILITARY STANDARD

MS51519

PROCUREMENT SPECIFICATION
MIL-F-18866

SUPERSEDES:

SHEET 1 OF 1